

Applicants : Dirk Lichtblau et al.  
Serial No. : 10/615,346  
Filed : July 7, 2003  
Page: 2

**In the Claims**

Please cancel claims 1-20 without prejudice to applicant's right to pursue the subject matter of these claims in this or a related application.

Please also add new claims 72-98, as follows:

1-71. (Canceled)

72. (New) A composition comprising more than 50% terpene trilactones, wherein the proportion of each terpene trilactone relative to the total amount of terpene trilactones in the composition is 57% of bilobalide, 16% of ginkgolide A, 12% of ginkgolide B, 11% of ginkgolide C, and 4% of ginkgolide J.

73. (New) The composition of claim 72, comprising 65% terpene trilactones.

74. (New) A composition comprising more than 50% terpene trilactones, wherein the proportion of each terpene trilactone relative to the total amount of terpene trilactones in the composition is 25% of bilobalide, 42 % of ginkgolide A, 14% of ginkgolide B, 14% of ginkgolide C, and 5% of ginkgolide J.

75. (New) The composition of claim 74, comprising 65% terpene trilactones.

76. (New) A composition comprising more 50% terpene trilactones, wherein the proportion of each terpene trilactone relative to the total amount of terpene trilactones in the composition is 58% of bilobalide, 21 %

Applicants : Dirk Lichtblau et al.  
Serial No. : 10/615,346  
Filed : July 7, 2003  
Page: 3

of ginkgolide A, 9% of ginkgolide B, 8 % of ginkgolide C, and 4% of ginkgolide J.

77. (New) The composition of claim 76, comprising 70% terpene trilactones.
78. (New) The composition of any one of claims 72, 74 or 76, made by a process comprising the steps of:
  - suspending the plant material or extract in the presence of an oxidation reagent,
  - extracting the terpene trilactones using an acceptable extraction agent, and
  - separating the organic layer from the aqueous layer to thereby isolate the terpene trilactones in the organic layer to thereby make the composition.
79. (New) The composition of claim 78, wherein in the process the oxidation reagent is in aqueous solution.
80. (New) The composition of claim 78, wherein in the process the oxidation reagent is hydrogen peroxide.
81. (New) The composition of claim 78, wherein in the process the aqueous solution contains 0.1% to 50% oxidation reagent.
82. (New) The composition of claim 78, wherein in the process the aqueous solution further comprises an acid.
83. (New) The composition of claim 78, wherein in the process the aqueous solution contains 0.1% to 15% acid.
84. (New) The composition of claim 78, wherein in the process

Applicants : Dirk Lichtblau et al.  
Serial No. : 10/615,346  
Filed : July 7, 2003  
Page: 4

the acid is selected from the group consisting of acetic acid, hydrochloric acid, nitric acid, phosphoric acid and sulfuric acid.

85. (New) The composition of claim 78, wherein in the process the acceptable extraction agent is selected from the group consisting of lower acetates, lower ketones, lower ether, lower alcohols and benzenes.
86. (New) The composition of claim 78, wherein the process further comprises at least a first washing step to wash the organic layer with an acceptable aqueous salt or hydroxide solution.
87. (New) The composition of claim 86, wherein in the process the acceptable aqueous solution is a solution of a salt or hydroxide selected from the group consisting of ammonium chloride, sodium carbonate, sodium bicarbonate, potassium carbonate, sodium hydroxide, potassium hydroxide, sodium thiosulfate, sodium sulfite and sodium hydrosulfide.
88. (New) The composition of claim 87, wherein in the process the acceptable aqueous salt or hydroxide solution is a solution of a salt selected from the group consisting of sodium thiosulfate, sodium sulfite and sodium hydrosulfide.
89. (New) The composition of claim 86, wherein in the process the acceptable aqueous salt solution is an aqueous alkali salt solution.
90. (New) The composition of claim 86, wherein in the process the aqueous alkali salt solution has a pH of between about 7.5 and 9.5.

Applicants : Dirk Lichtblau et al.  
Serial No. : 10/615,346  
Filed : July 7, 2003  
Page: 5

91. (New) The composition of claim 89, wherein in the process the aqueous alkali hydroxide solution is selected from the group consisting of a sodium hydroxide solution and a potassium hydroxide solution.
92. (New) The composition of claim 86, wherein the process further comprises a second washing step to wash the organic layer with an acceptable aqueous salt or hydroxide solution.
93. (New) The composition of claim 92, wherein in the process the acceptable aqueous salt or hydroxide solutions of the second wash step is selected from the group consisting of ammonium chloride, sodium carbonate, sodium bicarbonate, potassium carbonate, sodium hydroxide, potassium hydroxide, sodium thiosulfate, sodium sulfite and sodium hydrosulfide.
94. (New) The composition of claim 92, wherein in the process the second washing step is performed with a solution that is different from the solution used in the first washing step.
95. (New) The composition of claim 78, wherein the process further comprises a step to destroy excess oxidation reagent in the organic layer by contacting the organic layer with a metal or a nonmetal catalyst.
96. (New) The composition of claim 78, wherein the process further comprises a step of drying the organic layer to form an extract containing terpene trilactones.
97. (New) The composition of claim 96, wherein in the process the extract contains more than 50% by weight terpene

Applicants : Dirk Lichtblau et al.  
Serial No. : 10/615,346  
Filed : July 7, 2003  
Page: 6

trilactones.

98. (New) The composition of claim 96, wherein the process further comprises a step of recrystallizing the extract containing terpene trilactones to obtain terpene trilactones in higher purity.